

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A solar cell comprising an optical element having both transparent areas and substantially non-transparent areas disposed along a surface of the optical element, wherein

- the transparent areas are arranged such that individual, intermediate, substantially non-transparent areas have an extent that is less than 1 mm in at least one direction in the plane of said ~~surface~~; and surface;
- the substantially non-transparent areas are arranged close to each other and extend at right angles to said surface such that the transparent areas have a depth/width ratio that causes the optical element to allow, at a given point on said surface, passage of light with given angles of incidence, while light having other angles of incidence is unable to pass through the optical element at the given ~~point~~; point;
- the substantially non-transparent areas have openings filled by the transparent areas;
- the transparent areas and the substantially non-transparent areas are located in the same plane; and
- at least a part of the substantially non-transparent areas is configured for functioning as an electrode in the solar cell.

2. (Previously Presented) The solar cell according to claim 1, characterised in that said substantially non-transparent areas form a continuous face, such that the transparent areas appear as openings in the continuous face.

3. (Previously Presented) The solar cell according to claim 2, characterised in that said openings are elongate, whereby they have, in a given direction in a plane of the

continuous face, an extent that exceeds the extent in a direction at right angles thereto in the plane of the continuous face.

4. (Previously Presented) The solar cell according to claim 1, characterised in that said transparent areas constitute a continuous face, such that the substantially non-transparent areas appear as islands in the continuous face.

5. (Previously Presented) The solar cell according to claim 1, characterised in that the transparent areas and the substantially non-transparent areas are arranged in a mutually regular pattern.

6. (Previously Presented) The solar cell according to claim 1, characterised in that the transparent areas have, at least in one direction in the plane of the face, an extent that is a maximum ten times the extent of the substantially non-transparent areas at right angles to the face.

7-8. (Canceled)

9. (Previously Presented) The solar cell according to claim 1, characterised in that the transparent areas are arranged such that the individual, intermediate, substantially non-transparent areas have an extent that, at least in one direction in the plane of the face, is less than 100  $\mu\text{m}$ .

10. (Previously Presented) The solar cell according to claim 1, characterised in that the substantially non-transparent areas include any combination of a particulate semiconductor material and a particulate metallic material.

11. (Previously Presented) The solar cell according to claim 1 characterised in that that it is configured as a film that can be attached to a surface on another optical element.

12. (Previously Presented) The solar cell according to claim 1, characterised in that it is configured as an integral part of a window pane.

13. (Canceled)

14. (Currently Amended) The solar cell according to ~~claim 13,~~ claim 1, characterised in that said solar cell is a photo-electro-chemical solar cell.
15. (Previously Presented) The solar cell according to claim 14, characterised in that the substantially non-transparent areas comprise a semi-conductor, on which a suitable dye is adsorbed, and are configured for functioning as a photo-electrode.
16. (Previously Presented) The solar cell according to claim 14, characterised in that the substantially non-transparent areas comprise electrically conductive particulate material and are configured for functioning as a counter electrode .
17. (Previously Presented) The solar cell according to claim 1, characterised in that the substantially non-transparent areas comprise surfaces functioning as a carrier for the solar cells.
18. (Previously Presented) The solar cell according to claim 17, characterised in that the solar cell is configured as a thin-film solar cell.
19. (Previously Presented) The solar cell according to claim 1, wherein the transparent areas include a transparent substrate.
20. (Previously Presented) The solar cell according to claim 1, wherein the substantially non-transparent areas are configured as lamellae having a triangular cross section.
21. (Previously Presented) The solar cell according to claim 1, wherein the substantially non-transparent areas are configured as tilted lamellae.
22. (Currently Amended) The solar cell according to claim 20, wherein the lamellae have a depth (D), a thickness (T) and a mutual distance (A) exceeding ~~10  $\mu$ m.~~ 10  $\mu$ m, the mutual distance (A) being a distance between two adjacent lamellae.